

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/026504

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07D495/04 A61K31/381 A61P31/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BEILSTEIN Data, CHEM ABS Data, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>US 4 021 451 A (DOBSON THOMAS A ET AL) 3 May 1977 (1977-05-03)</p> <p>column 1, line 25 - column 2, line 31 column 3, line 20 - column 4, line 66; example 38 column 21, lines 51-56</p> <p>----- -/--</p>	<p>1-4,10, 12,26, 33,34, 36, 39-43, 61,62,64</p>

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

17 January 2005

Date of mailing of the international search report

24/01/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	B. UNTERHALT, N. KISSENBECK: "1-Alkylsubstituierte 3,4-Dihydro-thienopyransäuren und 3,4-Dihydro-benzo'b!thienopyransäuren" SCIENTIA PHARMACEUTICA SCI. PHARM., vol. 67, 1999, pages 97-102, XP009042562 VIENNA compounds 8a-8e -----	39-43, 55,56, 61,62,64
A	US 4 604 469 A (HUMBER LESLIE G ET AL) 5 August 1986 (1986-08-05) column 2, lines 58-66; example 1 -----	65
P,A	WO 03/099824 A (VIROPHARMA INC ; WYETH CORP (US)) 4 December 2003 (2003-12-04) Page 3, formula A -----	1-129

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 66-129
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 66-129 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; It is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT
Information on patent family members

International Application No
PCT/US2004/026504

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 4021451	A	03-05-1977	US	3974179 A	10-08-1976
			US	4036842 A	19-07-1977
US 4604469	A	05-08-1986	US	4544757 A	01-10-1985
WO 03099824	A	04-12-2003	WO	03099824 A1	04-12-2003
			US	2004029947 A1	12-02-2004

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